



Project: Alaska Copper Works

Inspection Date: 8/1/19

Project No.: 19ACW1

Technician: David DuBois

**System Performance:**

Was system running during the inspection? ☐ Yes ☒ No

Flow Rates (gpm) Influent 100 Effluent n/a The flows should be ~155 gpm

Bag Filter #1 Pressures (psi) Influent 24 Effluent 20 The bag filters should be replaced if differential pressure > 8 psi

Bag Filter #2 Pressures (psi) Influent n/a Effluent n/a

Carbon Filter Pressures (Lead) Influent n/a Effluent n/a The carbon filters should be

Carbon Filter Pressures (Lag) Influent n/a Effluent n/a backflushed if differential pressure > 8 psi

Were the bag filters replaced? ☐ Yes ☒ No

Was the carbon backflushed? ☐ Yes ☒ No

**Maintenance and Inspection Checklist:**

Task	Completed (Y/N)	Issues/Notes/Comments
Walchem Controller Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Flow Meters Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	No issues
Level Sensor Cleaning/Inspection	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Inspect System Plumbing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Pumps Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
General Housekeeping	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Chemistry Level	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	~60 gal
Safety Materials Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
pH Probe Inspection/Calibration	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	good



**Water Sampling:**

Were water samples taken? ☐ Yes ☒ No

Raw water:	pH	<u>6.13</u>	Turbidity	<u>8.65</u>	NTU
Bag Filter Influent	pH	<u>7.05</u>	Turbidity	<u>3.52</u>	NTU
Bag Filter Effluent	pH	<u>6.95</u>	Turbidity	<u>4.12</u>	NTU
Carbon Filter Influent	pH	<u>n/a</u>	Turbidity	<u>n/a</u>	NTU
Carbon Filter Effluent	pH	<u>n/a</u>	Turbidity	<u>n/a</u>	NTU

**Monthly Tasks:**

Were samples submitted to Analytical? ☐ Yes ☒ No

Analytical Lab: \_\_\_\_\_

Was Walchem data downloaded? ☐ Yes ☒ No

Were the tank sludge levels checked? ☐ Yes ☒ No

**Sludge Depth (inches):**

Decant Tank: n/a

Treatment tank: n/a

Backflush tank: n/a

Main lift station: n/a

North lift station: n/a

South lift station: n/a

**Additional Comments, Recommendations and System Upsets:**

Recirculated water to raise pH.

David DuBois

Technician

Project Lead Tech

Title

8/1/19

Date

**Submit**